

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Lake County Watershed Protection District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 01 Middle Creek			Left	3.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2017 - 4/4/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Will Evans Lake County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0009_01_s _ 2013_1				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0009_01_s _ 2013_9				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0009_01_s _ 2013_10				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.14	Rating **	M	Issue No.	24
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.188465 °	39.187392 °
				-122.907687 °	-122.907885 °
DWR ID	DWR_NA0009_01_f_2015_24				
Comment Code					
FE : Fence					
Inspector Comment					
Remove the fence from the landside toe.					

Photo 1 of 1 : SP_2017_NA0009_3_24_20170315_00014.jpg



View of the fence along the landside toe.

LM Start	0.26	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186777 °	39.186777 °
				-122.908102 °	-122.908102 °
DWR ID	DWR_NA0009_01_s_2013_11				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_11_20170315_00006.jpg



View of the overgrown trees at the landside slope.

LM Start	0.32	Rating **	M	Issue No.	21
LM End	0.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.186055 °	39.186055 °
				-122.908583 °	-122.908583 °
DWR ID	DWR_NA0009_01_f_2015_21				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2017_NA0009_3_21_20170315_00012.jpg



Remove the prunings from the landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	535
LM End	0.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183519 °	39.183519 °
				-122.911379 °	-122.911379 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26943 DS_ID:21193 EP_NO: 5237 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe possibly sleeved through an 8-inch steel pipe, 3.0-feet below the crown. Siphon breaker in 24-inch CMP riser on the landward slope. Reinforced concrete cutoff wall at center of levee. Butterfly valve on the waterward side at pump on concrete base on the waterward bank, installed under Permit No. 5237 (1971). Pole on the waterward berm, with overhead power line supplying electricity to pump. Originally included in the 1961 O+M manual. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26943_49782.jpg



Pipe and siphon breaker visible on LS slope.

LM Start	0.56	Rating **	M	Issue No.	535 (cont)
LM End	0.56	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_26943_49781.jpg



Power pole, meter, and pump visible on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	535 (cont)	
LM End	0.56	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.183519 °	39.183519 °	
				-122.911379 °	-122.911379 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26943 DS_ID:21193 EP_NO: 5237 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel pipe possibly sleeved through an 8-inch steel pipe, 3.0-feet below the crown. Siphon breaker in 24-inch CMP riser on the landward slope. Reinforced concrete cutoff wall at center of levee. Butterfly valve on the waterward side at pump on concrete base on the waterward bank, installed under Permit No. 5237 (1971). Pole on the waterward berm, with overhead power line supplying electricity to pump. Originally included in the 1961 O+M manual. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP_SP_2017_26943_49780.jpg



Pump and butterfly valve on WS berm.

LM Start	0.84	Rating **	M	Issue No.	536
LM End	0.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.179534 °	39.179534 °
				-122.912512 °	-122.912512 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26946 DS_ID:21196 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and pipe appear abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Siphon breaker in 24-inch CMP riser on landward slope. Pump on the waterward bank with a butterfly valve. Service pole on the waterward berm. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.83). FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26946_49789.jpg



Siphon breaker in 24-inch cmp riser with vent on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.84	Rating **	M	Issue No.	536 (cont)	
LM End	0.84	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.179534 °	39.179534 °	
				-122.912512 °	-122.912512 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26946						
DS_ID:21196						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and pipe appear abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Siphon breaker in 24-inch CMP riser on landward slope. Pump on the waterward bank with a butterfly valve. Service pole on the waterward berm. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.83).						
FS Date: 1/9/2014						

Photo 2 of 3 : UCIP_SP_2017_26946_49788.jpg



Pump, pole, and meter on WS berm.

LM Start	0.84	Rating **	M	Issue No.	536 (cont)
LM End	0.84	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_26946_49787.jpg



Pump and butterfly valve visible on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.15	Rating **	M	Issue No.	27
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175465 °	39.172077 °
				-122.912012 °	-122.914226 °
DWR ID	DWR_NA0009_01_s_2016_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Orchard trees should be trimmed to 5' above LS slope.					

Photo 1 of 1 : SP_2017_NA0009_3_27_20170315_00017.jpg



5/2/2016: Trip trees on L/S slope.

LM Start	1.53	Rating **	M	Issue No.	35
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170428 °	39.170428 °
				-122.914948 °	-122.914948 °
DWR ID	DWR_NA0009_01_s_2017_35				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree stumps from the landside toe.					

Photo 1 of 1 : SP_2017_NA0009_3_35_20170410_00037.jpg



View of the tree stumps along the landside toe.

LM Start	1.57	Rating **	A/W	Issue No.	290
LM End	1.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.169918 °	39.169918 °
				-122.915197 °	-122.915197 °
DWR ID	DWR_NA0009_01_f_2014_290				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_290_20170315_00020.jpg



View of the prunings along the landside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.12	Rating **	U	Issue No.	26
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.161995 °	39.161995 °
				-122.915383 °	-122.915383 °
DWR ID	DWR_NA0009_01_s_2016_26				
Comment Code					
MA : Material					
Inspector Comment					
Remove large gravel piles from LS toe.					

Photo 1 of 1 : SP_2017_NA0009_3_26_20170315_00016.jpg



5/2/2016: Remove large gravel piles from L/S toe.

LM Start	2.26	Rating **	A/W	Issue No.	537
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160327°	39.160327°
				-122.913998°	-122.913998°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26987 DS_ID:21240 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 36-inch CM drainpipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally listed in 1961 O+M manual. Pipes retained through levee under ABO No. 11460 (1975). FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2017_26987_49853.jpg



Pipe and Concrete headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.26	Rating **	A/W	Issue No.	537 (cont)
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160327 °	39.160327 °
				-122.913998 °	-122.913998 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26987					
DS_ID:21240					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 36-inch CM drainpipe through the					
levee, 9.0 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. Originally listed in 1961 O+M					
manual. Pipes retained through levee under ABO No. 11460 (1975).					
FS Date: 1/14/2014					

Photo 2 of 3 : UCIP_SP_2017_26987_49852.jpg



Pipe and Concrete headwall visible on LS toe.

LM Start	2.26	Rating **	A/W	Issue No.	537 (cont)
LM End	2.26	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_26987_49851.jpg



Pipe, Concrete headwall, and flap gate visible on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.26	Rating **	A/W	Issue No.	538
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160272 °	39.160272 °
				-122.913966 °	-122.913966 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:26986
DS_ID:21197
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 1 of 2: 36-inch CM drainpipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Originally listed in 1961 O+M manual. Pipes retained through levee under ABO No. 11460 (1975).
FS Date: 1/9/2014

LM Start	2.26	Rating **	A/W	Issue No.	538 (cont)
LM End	2.26	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_26986_49849.jpg



Concrete headwall and pipe visible on LS toe at end of drainage swale.

Photo 2 of 3 : UCIP_SP_2017_26986_49848.jpg



Concrete headwall and pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.26	Rating **	A/W	Issue No.	538 (cont)
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160272 °	39.160272 °
				-122.913966 °	-122.913966 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26986					
DS_ID:21197					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 2: 36-inch CM drainpipe through the					
levee, 9.0 feet below the crown. Flap gate on the waterward end.					
Concrete "U" headwalls on both ends. Originally listed in 1961 O+M					
manual. Pipes retained through levee under ABO No. 11460 (1975).					
FS Date: 1/9/2014					

Photo 3 of 3 : UCIP_SP_2017_26986_49847.jpg



Concrete headwall and pipe visible on WS berm.

LM Start	2.29	Rating **	M	Issue No.	13
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.160285 °	39.160285 °
				-122.913481 °	-122.913481 °
DWR ID	DWR_NA0009_01_s_2013_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_13_20170315_00007.jpg



View of the vehicle erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.35	Rating **	M	Issue No.	539
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27004 DS_ID:21199 EP_NO: 11460 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation on LS at inlet should be removed. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on waterward end. Concrete headwall on both ends. Originally included in 1961 O+M manual. Pipe retained under ABO No. 11460 (1975). FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2017_27004_49862.jpg



Heavy vegetation at inlet on LS toe.

LM Start	2.35	Rating **	M	Issue No.	539 (cont)
LM End	2.35	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_27004_49861.jpg



Concrete U-shaped headwall on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.35	Rating **	M	Issue No.	539 (cont)
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27004 DS_ID:21199 EP_NO: 11460 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation on LS at inlet should be removed. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on waterward end. Concrete headwall on both ends. Originally included in 1961 O+M manual. Pipe retained under ABO No. 11460 (1975). FS Date: 1/14/2014					

Photo 3 of 3 : UCIP_SP_2017_27004_49860.jpg



Concrete U-shaped headwall and flap gate on WS berm.

LM Start	2.36	Rating **	M	Issue No.	14
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161153 °	39.161153 °
				-122.912740 °	-122.912740 °
DWR ID	DWR_NA0009_01_s_2013_14				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_14_20170315_00008.jpg



View of the vehicle erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.38	Rating **	M	Issue No.	15
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.161381 °	39.161708 °
				-122.912551 °	-122.912168 °
DWR ID	DWR_NA0009_01_s_2013_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_15_20170315_00009.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	2.38	Rating **	M	Issue No.	23
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.161415 °	39.161722 °
				-122.912493 °	-122.912153 °
DWR ID	DWR_NA0009_01_f_2015_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the landside slope and toe.					

Photo 1 of 1 : SP_2017_NA0009_3_23_20170315_00013.jpg



View of the vegetation along the landside slope & toe.

LM Start	2.40	Rating **	M	Issue No.	16
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161601 °	39.161601 °
				-122.912303 °	-122.912303 °
DWR ID	DWR_NA0009_01_s_2013_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_16_20170315_00010.jpg



View of the vehicle erosion along the waterside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.42	Rating **	M	Issue No.	17
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161802 °	39.161802 °
				-122.912020 °	-122.912020 °
DWR ID	DWR_NA0009_01_s_2013_17				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_17_20170315_00011.jpg



View of the erosion caused by vehicle along the landside slope.

LM Start	2.47	Rating **	M	Issue No.	7
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.161692 °	39.160217 °
				-122.911748 °	-122.912957 °
DWR ID	DWR_NA0009_01_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_7_20170315_00005.jpg



View of a building & fence along the toe of the levee.

LM Start	2.48	Rating **	U	Issue No.	3
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.161615 °	39.160804 °
				-122.911733 °	-122.912536 °
DWR ID	DWR_NA0009_01_s_2012_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 2 : SP_2017_NA0009_3_3_20170315_00001.jpg



View of the vegetation along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.48	Rating **	U	Issue No.	3 (cont)	
LM End	2.55	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.161615 °		39.160804 °
				-122.911733 °		-122.912536 °
DWR ID	DWR_NA0009_01_s_2012_3					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						

Photo 2 of 2 : SP_2017_NA0009_3_3_20170315_00002.jpg



View of the vegetation along the landside slope.

LM Start	2.58	Rating **	M	Issue No.	5
LM End	2.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.160443 °	39.159308 °
				-122.912845 °	-122.913417 °
DWR ID	DWR_NA0009_01_s_2012_5				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_5_20170315_00004.jpg



View of the landscape along the landside slope.

LM Start	2.58	Rating **	M	Issue No.	4
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.160398 °	39.160020 °
				-122.912837 °	-122.913186 °
DWR ID	DWR_NA0009_01_s_2012_4				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_4_20170315_00003.jpg



View of the fences at the Landside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.60	Rating **	M	Issue No.	22
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.160190 °	39.159523 °
				-122.913039 °	-122.913402 °
DWR ID	DWR_NA0009_01_f_2016_22				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

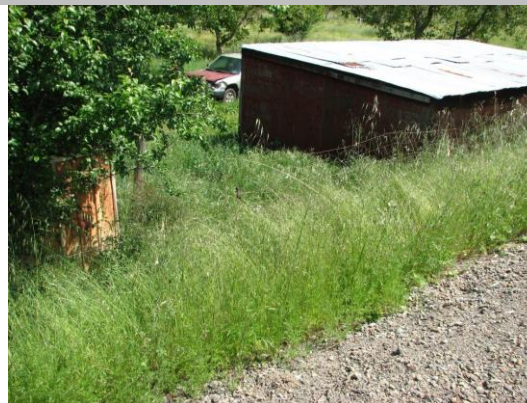
No Photos

LM Start	2.66	Rating **	M	Issue No.	6
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.159304 °	39.157252 °
				-122.913422 °	-122.913993 °
DWR ID	DWR_NA0009_01_s_2012_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.93	Rating **	U	Issue No.	31
LM End	2.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.155553 °	39.155553 °
				-122.914560 °	-122.914560 °
DWR ID	DWR_NA0009_01_s_2016_31				
Comment Code					
BU : Building					
Inspector Comment					
Two wooden sheds, one large, one small, with metal roofs.					

Photo 1 of 1 : SP_2017_NA0009_3_31_20170315_00018.jpg



5/2/2016: Remove or relocate 2 unpermitted sheds on L/S slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.95	Rating **	M	Issue No.	25
LM End	2.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.155301°	39.155301°
				-122.914633°	-122.914633°
DWR ID	DWR_NA0009_01_s_2016_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_25_20170315_00015.jpg



Trim trees to 5' above levee slope (LS). 4/19/2016

LM Start	2.97	Rating **	M	Issue No.	12
LM End	2.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.154889 °	39.154889 °
				-122.914716 °	-122.914716 °
DWR ID	DWR_NA0009_01_f_2016_12				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.10	Rating **	M	Issue No.	32
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.153144 °	39.153144 °
				-122.914538 °	-122.914538 °
DWR ID	DWR_NA0009_01_s_2016_32				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	3.10	Rating **	U	Issue No.	33
LM End	3.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.153017 °	39.153017 °
				-122.914491 °	-122.914491 °
DWR ID	DWR_NA0009_01_s_2016_33				
Comment Code					
BU : Building					
Inspector Comment					
Small metal shed should be removed.					

Photo 1 of 1 : SP_2017_NA0009_3_33_20170315_00019.jpg



5/2/2016: Remove or relocate unpermitted shed on L/S toe.

LM Start	3.26	Rating **	M	Issue No.	534
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.150957 °	39.150957 °
				-122.913504 °	-122.913504 °
DWR ID	DWR_NA0009_01_s_2015_534				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_3_534_20170315_00021.jpg



Remove the trees from the landside toe.

LM Start	3.28	Rating **	M	Issue No.	19
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.150673 °	39.150673 °
				-122.913355 °	-122.913355 °
DWR ID	DWR_NA0009_01_f_2016_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/04/2017 04/04/2017	Bob Duffey

LM Start	3.30	Rating **	M	Issue No.	20
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.150325 °	39.150325 °
				-122.913161 °	-122.913161 °
DWR ID	DWR_NA0009_01_f_2016_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 02 Middle Creek			Right	2.66
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2017 - 4/4/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Will Evans Lake County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	4
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.189540 °	39.187900 °
				-122.908065 °	-122.908655 °
DWR ID	DWR_NA0009_02_s_2013_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees up 5 feet to allow visibility.					

Photo 1 of 1 : SP_2017_NA0009_4_4_20170315_00004.jpg



View of the overgrown trees at the landside toe.

LM Start	0.08	Rating **	M	Issue No.	19
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188772 °	39.188772 °
				-122.908465 °	-122.908465 °
DWR ID	DWR_NA0009_02_s_2014_19				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_4_19_20170315_00010.jpg



View of the elderberries along the landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	32
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.187919 °	39.187919 °
				-122.908631 °	-122.908631 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:27066
DS_ID:21201
EP_NO: 11485
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 8.5 feet below the crown. Flap gate on the waterward side. Concrete headwalls on both ends. Originally included in 1961 O+M manual. This pipe was retained under ABO No. 11485 (1975).
FS Date: 1/14/2014

LM Start	0.14	Rating **	A/W	Issue No.	32 (cont)
LM End	0.14	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_27066_50049.jpg



Pipe and headwall visible at LS toe in drainage swale.

Photo 2 of 3 : UCIP_SP_2017_27066_50048.jpg



Pipe and headwall visible at LS toe in drainage swale.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	32 (cont)	
LM End	0.14	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.187919 °	39.187919 °	
				-122.908631 °	-122.908631 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27066 DS_ID:21201 EP_NO: 11485 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 8.5 feet below the crown. Flap gate on the waterward side. Concrete headwalls on both ends. Originally included in 1961 O+M manual. This pipe was retained under ABO No. 11485 (1975). FS Date: 1/14/2014						

Photo 3 of 3 : UCIP_SP_2017_27066_50047.jpg



Pipe with some sediment at flowline.

LM Start	0.20	Rating **	U	Issue No.	1
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187039 °	39.187039 °
				-122.908880 °	-122.908880 °
DWR ID	DWR_NA0009_02_s_2016_1				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_4_1_20170315_00001.jpg



View of the building on the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.24	Rating **	A/W	Issue No.	33
LM End	0.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.186794 °	39.186794 °
				-122.909413 °	-122.909413 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27184 DS_ID:21204 EP_NO: 11484 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 6 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in 1961 O+M manual. This pipe was retained under ABO No. 11484 (1975). FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2017_27184_50322.jpg



Concrete headwall and pipe on LS toe.

LM Start	0.24	Rating **	A/W	Issue No.	33 (cont)
LM End	0.24	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_27184_50321.jpg



Pipe at inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.24	Rating **	A/W	Issue No.	33 (cont)
LM End	0.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.186794 °	39.186794 °
				-122.909413 °	-122.909413 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27184 DS_ID:21204 EP_NO: 11484 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 6 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in 1961 O+M manual. This pipe was retained under ABO No. 11484 (1975). FS Date: 1/14/2014					

Photo 3 of 3 : UCIP_SP_2017_27184_50320.jpg



Flapgate and concrete headwall on WS toe.

LM Start	0.24	Rating **	M	Issue No.	9
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186739 °	39.186389 °
				-122.909436 °	-122.909821 °
DWR ID	DWR_NA0009_02_s_2013_9				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_4_9_20170315_00006.jpg



View of the overgrown trees and vegetation at the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.38	Rating **	M	Issue No.	17
LM End	0.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.185239 °	39.185239 °
				-122.911018 °	-122.911018 °
DWR ID	DWR_NA0009_02_f_2016_17				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_4_17_20170315_00008.jpg



View of the prunings along the landside toe.

LM Start	0.39	Rating **	A/W	Issue No.	34
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.185174 °	39.185174 °
				-122.911171 °	-122.911171 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27192 DS_ID:21206 EP_NO: 11478 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 7.7 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Grouted spillway over revetment on bank. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.38). This pipe was retained under ABO No. 11478 (1975). FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2017_27192_50326.jpg



Pipe and concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.39	Rating **	A/W	Issue No.	34 (cont)
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.185174 °	39.185174 °
				-122.911171 °	-122.911171 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27192 DS_ID:21206 EP_NO: 11478 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 7.7 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Grouted spillway over revetment on bank. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.38). This pipe was retained under ABO No. 11478 (1975). FS Date: 1/14/2014					

Photo 2 of 3 : UCIP_SP_2017_27192_50325.jpg



Flapgate and headwall off WS toe at berms edge.

LM Start	0.39	Rating **	A/W	Issue No.	34 (cont)
LM End	0.39	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_27192_50324.jpg



Pipe and concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	23
LM End	0.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.184812 °	39.182825 °
				-122.911647 °	-122.912168 °
DWR ID	DWR_NA0009_02_f_2016_23				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.48	Rating **	A/W	Issue No.	35
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.184126 °	39.184126 °
				-122.912118 °	-122.912118 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27199					
DS_ID:21208					
EP_NO: 11480					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 7.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.47). This pipe was retained under ABO No. 11480 (1975).					
FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2017_27199_50389.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.48	Rating **	A/W	Issue No.	35 (cont)	
LM End	0.48	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.184126°	39.184126°	
				-122.912118°	-122.912118°	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27199						
DS_ID:21208						
EP_NO: 11480						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 7.0						
feet below the crown. Flap gate on the waterward end. Concrete						
headwalls on both ends. (USACE-1961). This entry matches the						
Drainage or Irrigation Structure referenced in O&M manual (HLM 0.47).						
This pipe was retained under ABO No. 11480 (1975).						
FS Date: 1/14/2014						

LM Start	0.48	Rating **	A/W	Issue No.	35 (cont)
LM End	0.48	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_27199_50388.jpg



Pipe and concrete headwall on LS toe.

Photo 3 of 3 : UCIP_SP_2017_27199_50387.jpg



Concrete headwall and flapgate visible on waterside berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	36
LM End	0.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184080 °	39.184080 °
				-122.912130 °	-122.912130 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27563 DS_ID:24761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch HDPE irrigation pipe through the levee at unknown depth below the crown. Pipe visible on WS berm slope. Pumphouse on LS toe. FS Date: 1/14/2014 7:19:18 AM					

LM Start	0.48	Rating **	M	Issue No.	36 (cont)
LM End	0.48	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_27563_51182.jpg



Pipe visible just downstream from stormdrain.

Photo 2 of 3 : UCIP_SP_2017_27563_51181.jpg



Pipe visible just downstream from stormdrain.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	36 (cont)
LM End	0.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184080 °	39.184080 °
				-122.912130 °	-122.912130 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27563 DS_ID:24761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch HDPE irrigation pipe through the levee at unknown depth below the crown. Pipe visible on WS berm slope. Pumphouse on LS toe. FS Date: 1/14/2014 7:19:18 AM					

Photo 3 of 3 : UCIP_SP_2017_27563_51180.jpg



cut across levee crown visible along pipe alignment.

LM Start	0.49	Rating **	M	Issue No.	20
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.184001 °	39.183676 °
				-122.912139 °	-122.912179 °
DWR ID	DWR_NA0009_02_s_2016_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove large downed pine tree branch on LS toe.					

Photo 1 of 1 : SP_2017_NA0009_4_20_20170315_00011.jpg



View of the fallen tree branch on landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.50	Rating **	U	Issue No.	37
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183775 °	39.183775 °
				-122.912187 °	-122.912187 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51435
DS_ID:21209
EP_NO: 8513
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/30/2016 Pipe not in use per LMA representative, Scott Webb. DWR Fall inspection 2016 indicated depression along pipe alignment. According to LMA representative the new property owner is Tracy Joe Hill. Need to contact owner. New owner will need to coordinate with CVFPB regarding permit name change and to address depression noted in the 2016 DWR Fall Inspection . (O. Magana - DWR UCIP)01/14/2014 Appears pipe is leaking on WS toe of Levee at mud pit. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 1 of 2: 1.25-inch steel groundwater pipe through the levee, 2 feet below the levee. Steel cutoff wall around pipe at center of levee. Well with 8-inch casing on waterside (WS) slope. (1.25-inch water pipe and 0.75-inch electrical conduit authorized under Permit No. 8513, 1974 - Fisher)
FS Date: 11/30/2016

LM Start	0.50	Rating **	U	Issue No.	37 (cont)
LM End	0.50	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_51435_50393.jpg



Pump and pipe visible at wooden box on WS berm.

Photo 2 of 3 : UCIP_SP_2017_51435_50392.jpg



Mudpit at WS berm were pipe may be leaking.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.50	Rating **	U	Issue No.	37 (cont)
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183775 °	39.183775 °
				-122.912187 °	-122.912187 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51435 DS_ID:21209 EP_NO: 8513 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/30/2016 Pipe not in use per LMA representative, Scott Webb. DWR Fall inspection 2016 indicated depression along pipe alignment. According to LMA representative the new property owner is Tracy Joe Hill. Need to contact owner. New owner will need to coordinate with CVFPB regarding permit name change and to address depression noted in the 2016 DWR Fall Inspection . (O. Magana - DWR UCIP)01/14/2014 Appears pipe is leaking on WS toe of Levee at mud pit. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 1.25-inch steel groundwater pipe through the levee, 2 feet below the levee. Steel cutoff wall around pipe at center of levee. Well with 8-inch casing on waterside (WS) slope. (1.25-inch water pipe and 0.75-inch electrical conduit authorized under Permit No. 8513, 1974 - Fisher) FS Date: 11/30/2016					

Photo 3 of 3 : UCIP_SP_2017_51435_50391.jpg



Valves visible just off LS toe.

LM Start	0.55	Rating **	M	Issue No.	38
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.183130 °	39.183130 °
				-122.912198 °	-122.912198 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27208					
DS_ID:21210					
EP_NO: 11482					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Fence on LS slope creates access issue.					
FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.54). This pipe was retained under ABO No. 11482 (1975).					
FS Date: 1/14/2014					

Photo 1 of 3 : UCIP_SP_2017_27208_50411.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	38 (cont)	
LM End	0.55	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.183130 °	39.183130 °	
				-122.912198 °	-122.912198 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27208						
DS_ID:21210						
EP_NO: 11482						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Fence on LS slope creates access issue.						
FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 9.0						
feet below the crown. Flap gate on the waterward end. Concrete						
headwalls on both ends. (USACE-1961). This entry matches the						
Drainage or Irrigation Structure referenced in O&M manual (HLM 0.54).						
This pipe was retained under ABO No. 11482 (1975).						
FS Date: 1/14/2014						

LM Start	0.55	Rating **	M	Issue No.	38 (cont)
LM End	0.55	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_27208_50410.jpg



Flapgate and concrete headwall on WS berm.

Photo 3 of 3 : UCIP_SP_2017_27208_50409.jpg



Flapgate and concrete headwall on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	30
LM End	0.56	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.182940 °	39.182940 °
				-122.912142 °	-122.912142 °
DWR ID	DWR_NA0009_02_s_2017_30				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the waterside slope.					

Photo 1 of 1 : SP_2017_NA0009_4_30_20170410_00049.jpg



View of the prunings along the waterside slope.

LM Start	0.95	Rating **	M	Issue No.	24
LM End	0.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.177451 °	39.176937 °
				-122.913802 °	-122.913576 °
DWR ID	DWR_NA0009_02_f_2016_24				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.96	Rating **	M	Issue No.	25
LM End	0.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.177249 °	39.177249 °
				-122.913619 °	-122.913619 °
DWR ID	DWR_NA0009_02_f_2016_25				
Comment Code					
BU : Building					
Inspector Comment					
Two 40' shipping containers in the flood way need to be removed.					

Photo 1 of 1 : SP_2017_NA0009_4_25_20170315_00012.jpg



View of the shipping container in the floodway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.03	Rating **	A/W	Issue No.	39
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.176366 °	39.176366 °
				-122.913509 °	-122.913509 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27583 DS_ID:21211 EP_NO: 11486 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 7.3 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Splash apron broken off on the waterward end. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.21). This pipe was retained under ABO No. 11486 (1975). USACE O&M DWG No. CC-4-4-29. FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27583_51202.jpg



Pipe visible at concrete inlet on LS toe.

LM Start	1.03	Rating **	A/W	Issue No.	39 (cont)
LM End	1.03	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_27583_51201.jpg



Pipe as visible from LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.03	Rating **	A/W	Issue No.	39 (cont)	
LM End	1.03	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.176366 °		39.176366 °
				-122.913509 °		-122.913509 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27583 DS_ID:21211 EP_NO: 11486 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 7.3 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Splash apron broken off on the waterward end. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.21). This pipe was retained under ABO No. 11486 (1975). USACE O&M DWG No. CC-4-4-29. FS Date: 1/22/2014						

Photo 3 of 3 : UCIP_SP_2017_27583_51200.jpg



Pipe visible on LS toe.

LM Start	1.09	Rating **	U	Issue No.	10
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175460 °	39.175075 °
				-122.913400 °	-122.913392 °
DWR ID	DWR_NA0009_02_s_2013_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_4_10_20170315_00007.jpg



View of the unauthorized fence along the landside toe.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	40
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.174370 °	39.174370 °
				-122.913543 °	-122.913543 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42994 DS_ID:21212 EP_NO: 11483 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so, should be done so properly. Debris blocking flapgate at outlet. FIELD_STRUCT_DESC: *ABANDONED* 30-inch CM drainpipe through the levee, 17.8 feet below the crown. Slide gate in 44-inch diameter CMP riser waterward slope. Flap gate on the waterward end at concrete headwall. 6'X8' concrete sump at landward toe. (USACE-1961). Originally included in O&M manual (HLM 1.22). This pipe was retained under ABO No. 11483 (1975). FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_42994_51214.jpg



Slide gate in 44-inch CMP riser on WS shoulder.

LM Start	1.16	Rating **	M	Issue No.	40 (cont)
LM End	1.16	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_42994_51213.jpg



6'X8' concrete sump filled in with soil, visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	40 (cont)
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.174370 °	39.174370 °
				-122.913543 °	-122.913543 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42994 DS_ID:21212 EP_NO: 11483 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so, should be done so properly. Debris blocking flapgate at outlet. FIELD_STRUCT_DESC: *ABANDONED* 30-inch CM drainpipe through the levee, 17.8 feet below the crown. Slide gate in 44-inch diameter CMP riser waterward slope. Flap gate on the waterward end at concrete headwall. 6'X8' concrete sump at landward toe. (USACE-1961). Originally included in O&M manual (HLM 1.22). This pipe was retained under ABO No. 11483 (1975). FS Date: 1/22/2014					

Photo 3 of 3 : UCIP_SP_2017_42994_51215.jpg



Flapgate and concrete headwall visible off WS berm.

LM Start	1.70	Rating **	M	Issue No.	41
LM End	1.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167156 °	39.167156 °
				-122.916610 °	-122.916610 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27606					
DS_ID:21214					
EP_NO: 15825					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe with closure device not visible on WS toe. Clear soil from pipe and cover for better verification of closure.					
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.0 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Exposed filter at landward slope. Seasonal pump on waterward slope. (Permit No. 15825-1992)					
FS Date: 1/22/2014					

Photo 1 of 2 : UCIP_SP_2017_27606_51250.jpg



Vent on LS shoulder with filter visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.70	Rating **	M	Issue No.	41 (cont)	
LM End	1.70	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.167156 °	39.167156 °	
				-122.916610 °	-122.916610 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27606						
DS_ID:21214						
EP_NO: 15825						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe with closure device not visible on WS toe. Clear soil from pipe and cover for better verification of closure.						
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.0 feet below the crown. Siphon breaker on apex of pipe at landward shoulder. Exposed filter at landward slope. Seasonal pump on waterward slope. (Permit No. 15825-1992)						
FS Date: 1/22/2014						

Photo 2 of 2 : UCIP_SP_2017_27606_51249.jpg



T-post at WS toe may indicate location of pipe end. Covered with soil.

LM Start	1.92	Rating **	M	Issue No.	18
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.163912 °	39.163912 °
				-122.916695 °	-122.916695 °
DWR ID	DWR_NA0009_02_s_2016_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim willow trees.					

Photo 1 of 1 : SP_2017_NA0009_4_18_20170315_00009.jpg



View of the overgrown willow trees at the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.95	Rating **	M	Issue No.	42
LM End	1.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163509 °	39.163509 °
				-122.916726 °	-122.916726 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27607 DS_ID:21253 EP_NO: 18228 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Pipe not found and no indication it was installed. Contact inspector for further info. FIELD_STRUCT_DESC: To install a 3-inch diameter sewer pipeline through both the east and west levees of Middle Creek with the pipeline encased in a 6-inch diameter sleeve attached to the Hwy 20 Bridge across Middle Creek. (Permit No. 18228) FS Date: 1/22/2014					

No Photos

LM Start	1.96	Rating **	M	Issue No.	43
LM End	1.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163414 °	39.163414 °
				-122.916741 °	-122.916741 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27624					
DS_ID:21243					
EP_NO: 15865					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Permit number likely revised from 15865. Verify with inspector and modify entry as required.					
FIELD_STRUCT_DESC: 8-inch steel sewer line (pressurized) through the levee, 3.0 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on waterward levee shoulder. Pipe visible under bridge (Permit No. 15865-1991).					
FS Date: 1/22/2014					

Photo 1 of 2 : UCIP_SP_2017_27624_51263.jpg



Pipe visible under bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.00	Rating **	M	Issue No.	44 (cont)	
LM End	2.00	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.162753 °	39.162753 °	
				-122.916811 °	-122.916811 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27629						
DS_ID:21250						
EP_NO: 17191						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned, if so it should be done so properly.						
FIELD_STRUCT_DESC: 2 of 2: 2-inch PVC pipe through the levee, 2.0 feet below the crown. Well and electric pump at waterward toe. Pole and meter(Permit No. 17191-2000)						
FS Date: 1/22/2014						

Photo 2 of 2 : UCIP_SP_2017_27629_51279.jpg



Meter and control on LS slope next to pole.

LM Start	2.70	Rating **	A	Issue No.	31
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.153202 °	39.153202 °
				-122.915672 °	-122.915672 °
DWR ID	DWR_NA0009_02_s_2017_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There are native grasses on both slopes.					

Photo 1 of 1 : SP_2017_NA0009_4_31_20170410_00050.jpg



View of the native grasses on both slopes.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.76	Rating **	M	Issue No.	22
LM End	2.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.152322 °	39.152322 °
				-122.915380 °	-122.915380 °
DWR ID	DWR_NA0009_02_s _ 2016_22				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.84	Rating **	M	Issue No.	45
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.151257 °	39.151257 °
				-122.914908 °	-122.914908 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27630 DS_ID:21215 EP_NO: 11481 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Soil partially blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93). This pipe was retained under ABO No. 11481 (1975). FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27630_51283.jpg



Concrete headwall and pipe visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/04/2017 04/04/2017	Bob Duffey

LM Start	2.84	Rating **	M	Issue No.	45 (cont)
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.151257 °	39.151257 °
				-122.914908 °	-122.914908 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27630					
DS_ID:21215					
EP_NO: 11481					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Soil partially blocking inlet and outlet.					
FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93). This pipe was retained under ABO No. 11481 (1975).					
FS Date: 1/22/2014					

Photo 2 of 3 : UCIP_SP_2017_27630_51282.jpg



Concrete headwall and flapgate visible at WS berm.

LM Start	2.84	Rating **	M	Issue No.	45 (cont)
LM End	2.84	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_27630_51281.jpg



Concrete headwall and pipe visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 03 Scotts Creek			Left	1.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2017 - 4/4/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Will Evans Lake County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.24	Rating **	A	Issue No.	20
LM End	0.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.150847 °	39.150847 °
				-122.916367 °	-122.916367 °
DWR ID	DWR_NA0009_03_s_2017_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There are native grasses on both slopes.					

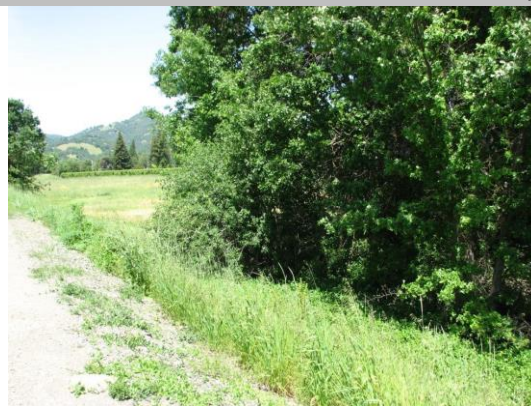
Photo 1 of 1 : SP_2017_NA0009_5_20_20170410_00042.jpg



View of the native grasses on both slopes.

LM Start	0.49	Rating **	M	Issue No.	9
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.154195 °	39.154195 °
				-122.918134 °	-122.918134 °
DWR ID	DWR_NA0009_03_s_2016_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_5_9_20170315_00001.jpg



View of the overgrown trees and vegetation at the landside toe.

LM Start	0.49	Rating **	M	Issue No.	8
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.154197 °	39.154197 °
				-122.918163 °	-122.918163 °
DWR ID	DWR_NA0009_03_f_2016_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.54	Rating **	M	Issue No.	10
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.154706 °	39.154706 °
				-122.918622 °	-122.918622 °
DWR ID	DWR_NA0009_03_s _ 2016_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	M	Issue No.	21
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.154786 °	39.154786 °
				-122.918703 °	-122.918703 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27863 DS_ID:21217 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation at inlet and wooden box failing at LS toe. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends with a wooden retaining wall drop inlet at LS toe (USACE-1961). Originally included in O&M manual (HLM 0.55). This pipe was retained under ABO No. 11492 (1975). USACE O&M DWG No. CC-4-4-29. FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27863_51542.jpg



Pipe visible at LS toe covered with vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.54	Rating **	M	Issue No.	21 (cont)	
LM End	0.54	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.154786 °		39.154786 °
				-122.918703 °		-122.918703 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27863 DS_ID:21217 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation at inlet and wooden box failing at LS toe. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends with a wooden retaining wall drop inlet at LS toe (USACE-1961). Originally included in O&M manual (HLM 0.55). This pipe was retained under ABO No. 11492 (1975). USACE O&M DWG No. CC-4-4-29. FS Date: 1/22/2014						

LM Start	0.54	Rating **	M	Issue No.	21 (cont)
LM End	0.54	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_27863_51541.jpg



Concrete headwall and flapgate visible at WS berm.

Photo 3 of 3 : UCIP_SP_2017_27863_51540.jpg



Concrete headwall and flapgate visible at WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.75	Rating **	M	Issue No.	22
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157443 °	39.157443 °
				-122.920110 °	-122.920110 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27891 DS_ID:21219 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 4-inch steel pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-inch CMP riser on LS shoulder. Pump on concrete platform on waterward side. Hose chute and concrete stairway on waterward slope. This pipe was retained under ABO No. 11492 (1975). FS Date: 1/22/2014					

LM Start	0.75	Rating **	M	Issue No.	22 (cont)
LM End	0.75	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_27891_51587.jpg



Valve visible at bottom of CMP riser on LS shoulder.

Photo 2 of 3 : UCIP_SP_2017_27891_51586.jpg



Siphon at LS shoulder inside 24-inch CMP riser.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.75	Rating **	M	Issue No.	22 (cont)	
LM End	0.75	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.157443 °		39.157443 °
				-122.920110 °		-122.920110 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27891 DS_ID:21219 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 4-inch steel pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-inch CMP riser on LS shoulder. Pump on concrete platform on waterward side. Hose chute and concrete stairway on waterward slope. This pipe was retained under ABO No. 11492 (1975). FS Date: 1/22/2014						

Photo 3 of 3 : UCIP_SP_2017_27891_51585.jpg



Concrete pump pad and electrical works visible on WS berm.

LM Start	0.77	Rating **	M	Issue No.	23
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.157759 °	39.157759 °
				-122.920301 °	-122.920301 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27892 DS_ID:21220 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at inlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Concrete spillway on waterward slope to bottom of channel. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.79). This pipe was retained under ABO No. 11492 (1975). FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27892_51591.jpg



Concrete headwall visible next to concrete standpipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.77	Rating **	M	Issue No.	23 (cont)	
LM End	0.77	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.157759 °		39.157759 °
				-122.920301 °		-122.920301 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27892 DS_ID:21220 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at inlet. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Concrete spillway on waterward slope to bottom of channel. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.79). This pipe was retained under ABO No. 11492 (1975). FS Date: 1/22/2014						

Photo 2 of 3 : UCIP_SP_2017_27892_51590.jpg



Concrete outfall visible off WS berm.

LM Start	0.77	Rating **	M	Issue No.	23 (cont)
LM End	0.77	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_27892_51589.jpg



Concrete headwall visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.84	Rating **	M	Issue No.	14
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.158556 °	39.159304 °
				-122.920674 °	-122.920784 °
DWR ID	DWR_NA0009_03_f_2016_14				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_5_14_20170315_00005.jpg



View of the waterside vegetation looking upstream.

LM Start	0.92	Rating **	A/W	Issue No.	24
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159628 °	39.159628 °
				-122.920853 °	-122.920853 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27893					
DS_ID:21247					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: *Abandoned* 36-inch CM drain pipe through the levee, 10.0 feet below the crown. Plugged with concrete. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.90).					
FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27893_51595.jpg



Plugged pipe visible on WS toe of roadway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.92	Rating **	A/W	Issue No.	24 (cont)
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159628 °	39.159628 °
				-122.920853 °	-122.920853 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27893 DS_ID:21247 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: *Abandoned* 36-inch CM drain pipe through the levee, 10.0 feet below the crown. Plugged with concrete. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.90). FS Date: 1/22/2014					

Photo 2 of 3 : UCIP_SP_2017_27893_51594.jpg



Roadway marker 52.29 on LS and WS shoulder mark pipe location on crown.

LM Start	0.92	Rating **	A/W	Issue No.	24 (cont)
LM End	0.92	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_27893_51596.jpg



Concrete headwall and plugged pipe visible on LS toe of roadway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.93	Rating **	M	Issue No.	25
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159736 °	39.159736 °
				-122.921042 °	-122.921042 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27894 DS_ID:21221 EP_NO: 11488 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall on WS berm is being undermined. 2-foot of scour under headwall. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 16.5 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.94). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27894_51599.jpg



Flapgate and headwall off WS toe.

LM Start	0.93	Rating **	M	Issue No.	25 (cont)
LM End	0.93	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_27894_51598.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.93	Rating **	M	Issue No.	25 (cont)
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159736 °	39.159736 °
				-122.921042 °	-122.921042 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27894 DS_ID:21221 EP_NO: 11488 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete headwall on WS berm is being undermined. 2-foot of scour under headwall. FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 16.5 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.94). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014					

Photo 3 of 3 : UCIP_SP_2017_27894_51597.jpg



Concrete headwall on LS toe.

LM Start	0.99	Rating **	M	Issue No.	26
LM End	0.99	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160129 °	39.160129 °
				-122.922117 °	-122.922117 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27903 DS_ID:21248 EP_NO: 11488 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Siphon breaker standpipe knocked over and covered with dirt. Pipe and appurtances appear to be in disrepair. Gate valves next to tank broken. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-cmp riser on LS shoulder. Screw gate on waterside slope next to pump and 300-gallon tank. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.02). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27903_51622.jpg



Pump at concrete pad on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	26 (cont)	
LM End	0.99	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.160129 °		39.160129 °
				-122.922117 °		-122.922117 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27903 DS_ID:21248 EP_NO: 11488 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Siphon breaker standpipe knocked over and covered with dirt. Pipe and appurtances appear to be in disrepair. Gate valves next to tank broken. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-cmp riser on LS shoulder. Screw gate on waterside slope next to pump and 300-gallon tank. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.02). This pipe was retained under ABO No. 11488 (1975). FS Date: 1/22/2014						

LM Start	0.99	Rating **	M	Issue No.	26 (cont)
LM End	0.99	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_27903_51621.jpg



Gate valves at tank appear to be in disrepair.

Photo 3 of 3 : UCIP_SP_2017_27903_51620.jpg



filler valves on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	27
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160117°	39.160117°
				-122.922144°	-122.922144°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27943					
DS_ID:21222					
EP_NO: 11488					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some vegetation buildup at inlet and outlet.					
FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 14.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01). This pipe was retained under ABO No. 11488 (1975).					
FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27943_51642.jpg



Concrete Headwall on WS berm.

LM Start	0.99	Rating **	M	Issue No.	27 (cont)
LM End	0.99	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_27943_51641.jpg



Headwall and flapgate on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	27 (cont)	
LM End	0.99	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160117 °		39.160117 °
				-122.922144 °		-122.922144 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27943						
DS_ID:21222						
EP_NO: 11488						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some vegetation buildup at inlet and outlet.						
FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 14.0						
feet below the crown. Flap gate on the waterward end. Concrete						
headwalls on both ends. (USACE-1961). This entry matches the						
Drainage or Irrigation Structure referenced in O&M manual (HLM 1.01).						
This pipe was retained under ABO No. 11488 (1975).						
FS Date: 1/22/2014						

Photo 3 of 3 : UCIP_SP_2017_27943_51640.jpg



Pipe location marked on crown by flasher.

LM Start	1.07	Rating **	M	Issue No.	28
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159803 °	39.159803 °
				-122.923501 °	-122.923501 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27944 DS_ID:21223 EP_NO: 11489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sedimentation buildup at inlet and through pipe. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.5 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.09). This pipe was retained under ABO No. 11489 (1975). FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27944_51646.jpg



Flasher on crown marks pipe location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.07	Rating **	M	Issue No.	28 (cont)	
LM End	1.07	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.159803 °	39.159803 °	
				-122.923501 °	-122.923501 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27944						
DS_ID:21223						
EP_NO: 11489						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some sedimentation buildup at inlet and through pipe.						
FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 12.5 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.09). This pipe was retained under ABO No. 11489 (1975).						
FS Date: 1/22/2014						

LM Start	1.07	Rating **	M	Issue No.	28 (cont)
LM End	1.07	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_27944_51645.jpg



Flapgate and headwall visible on WS toe.

Photo 3 of 3 : UCIP_SP_2017_27944_51644.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.07	Rating **	U	Issue No.	13
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.159789 °	39.159613 °
				-122.923515 °	-122.924643 °
DWR ID	DWR_NA0009_03_s_2016_13				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Junk yard full of abandoned vehicles, some stacked at levee toe obostructing visibility and access to levee toe.					

Photo 1 of 1 : SP_2017_NA0009_5_13_20170315_00004.jpg



5/2/2016: Vehicle junk yard behind fence covered in dense growth of bushes and vines.

LM Start	1.07	Rating **	U	Issue No.	12
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.159787 °	39.159616 °
				-122.923517 °	-122.924645 °
DWR ID	DWR_NA0009_03_s_2016_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense vegetation growing on fence blocks visibility and access.					

Photo 1 of 1 : SP_2017_NA0009_5_12_20170315_00003.jpg



5/2/2016: Dense bushes and vines covering fence along vehicle junk yard.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.07	Rating **	U	Issue No.	11
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.159783 °	39.159615 °
				-122.923517 °	-122.924645 °
DWR ID	DWR_NA0009_03_s_2016_11				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_5_11_20170315_00002.jpg



5/2/2016: Fence along vehicle junk yard is covered in dense growth of bushes and vines.

LM Start	1.23	Rating **	A/W	Issue No.	29
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160359 °	39.160359 °
				-122.926188 °	-122.926188 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27963					
DS_ID:21224					
EP_NO: 11489					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 4: 36-inch CM drainpipe through the					
levee, 15.2 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. (USACE-1961). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (HLM					
1.25). This pipe was retained under ABO No. 11489 (1975).					
FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27963_51662.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.23	Rating **	A/W	Issue No.	29 (cont)
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160359 °	39.160359 °
				-122.926188 °	-122.926188 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27963					
DS_ID:21224					
EP_NO: 11489					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 4: 36-inch CM drainpipe through the					
levee, 15.2 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. (USACE-1961). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (HLM					
1.25). This pipe was retained under ABO No. 11489 (1975).					
FS Date: 1/22/2014					

Photo 2 of 3 : UCIP_SP_2017_27963_51661.jpg



Pipe on LS toe.

LM Start	1.23	Rating **	A/W	Issue No.	29 (cont)
LM End	1.23	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_27963_51660.jpg



Flapgate on headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Lake County Watershed Protection District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.23	Rating **	A/W	Issue No.	30 (cont)
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160369 °	39.160369 °
				-122.926208 °	-122.926208 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27964 DS_ID:21237 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 4: 36-inch CM drainpipe through the levee, 15.2 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.25). This pipe was retained under ABO No. 11489 (1975). FS Date: 1/22/2014					

Photo 3 of 3 : UCIP_SP_2017_27964_51663.jpg



Flapgate and headwall on WS toe.

LM Start	1.24	Rating **	A/W	Issue No.	31
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160377 °	39.160377 °
				-122.926223 °	-122.926223 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27965					
DS_ID:21238					
EP_NO: 11489					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 3 of 4: 36-inch CM drainpipe through the					
levee, 15.2 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. (USACE-1961). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (HLM					
1.25). This pipe was retained under ABO No. 11489 (1975).					
FS Date: 1/22/2014					

Photo 1 of 3 : UCIP_SP_2017_27965_51668.jpg



Pipe and concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.24	Rating **	A/W	Issue No.	31 (cont)
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160377 °	39.160377 °
				-122.926223 °	-122.926223 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27965 DS_ID:21238 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 4: 36-inch CM drainpipe through the levee, 15.2 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. (USACE-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.25). This pipe was retained under ABO No. 11489 (1975). FS Date: 1/22/2014					

Photo 2 of 3 : UCIP_SP_2017_27965_51667.jpg



Pipe from LS toe.

LM Start	1.24	Rating **	A/W	Issue No.	31 (cont)
LM End	1.24	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_27965_51666.jpg



Flapgate on headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.24	Rating **	A/W	Issue No.	32
LM End	1.24	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160386 °	39.160386 °
				-122.926239 °	-122.926239 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27967					
DS_ID:21239					
EP_NO: 11489					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 4 of 4: 36-inch CM drainpipe through the					
levee, 15.2 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. (USACE-1961). This entry matches					
the Drainage or Irrigation Structure referenced in O&M manual (HLM					
1.25). This pipe was retained under ABO No. 11489 (1975).					
FS Date: 1/22/2014					

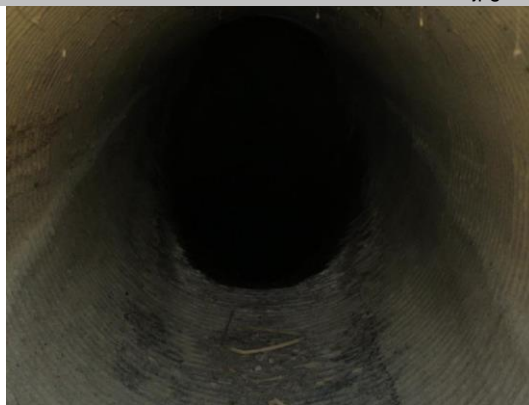
Photo 1 of 3 : UCIP_SP_2017_27967_51671.jpg



Pipe and concrete headwall on LS toe.

LM Start	1.24	Rating **	A/W	Issue No.	32 (cont)
LM End	1.24	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_27967_51670.jpg



Pipe from LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.24	Rating **	A/W	Issue No.	32 (cont)	
LM End	1.24	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.160386 °	39.160386 °	
				-122.926239 °	-122.926239 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27967						
DS_ID:21239						
EP_NO: 11489						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 4 of 4: 36-inch CM drainpipe through the						
levee, 15.2 feet below the crown. Flap gate on the waterward end.						
Concrete headwalls on both ends. (USACE-1961). This entry matches						
the Drainage or Irrigation Structure referenced in O&M manual (HLM						
1.25). This pipe was retained under ABO No. 11489 (1975).						
FS Date: 1/22/2014						

Photo 3 of 3 : UCIP_SP_2017_27967_51669.jpg



Flapgate on concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 04 Page, Alley and Clover Creek Diversion			Right	1.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2017 - 4/4/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Will Evans Lake County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.01	Rating **	M	Issue No.	16
LM End	0.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176193 °	39.176193 °
				-122.912307 °	-122.912307 °
DWR ID	DWR_NA0009_04_s_2017_16				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

Photo 1 of 1 : SP_2017_NA0009_6_16_20170410_00022.jpg



View of the prunings along the landside toe.

LM Start	0.14	Rating **	A/W	Issue No.	17
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.176422 °	39.176422 °
				-122.909978 °	-122.909978 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26947 DS_ID:21236 EP_NO: 11499 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 42-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in 1961 O+M manual. Retained under ABO No. 11499 (1975). FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26947_49793.jpg



Concrete headwall visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	17 (cont)
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.176422 °	39.176422 °
				-122.909978 °	-122.909978 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26947 DS_ID:21236 EP_NO: 11499 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 42-inch CM drainpipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in 1961 O+M manual. Retained under ABO No. 11499 (1975). FS Date: 1/9/2014					

A photograph showing a concrete drainage structure with two circular openings. The structure is heavily overgrown with dry, brown vegetation and weeds, particularly around the openings. The ground surface is uneven and covered with similar dry plant matter.

Concrete headwall visible on LS toe.

LM Start	0.14	Rating **	A/W	Issue No.	17 (cont)
LM End	0.14	Issue Type +	Ma	Location *	LS

Concrete headwall visible on WS berm.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	18
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.176419 °	39.176419 °
				-122.909954 °	-122.909954 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26948					
DS_ID:21225					
EP_NO: 11499					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 42-inch CM drainpipe through the					
levee, 12.0 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. Originally included in 1961 O+M					
manual. This pipe was retained under ABO No. 11499 (1975).					
FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26948_49797.jpg



Concrete headwall and inlet visible on LS toe.

LM Start	0.14	Rating **	A/W	Issue No.	18 (cont)
LM End	0.14	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_26948_49796.jpg



Concrete headwall and inlet visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	18 (cont)
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.176419 °	39.176419 °
				-122.909954 °	-122.909954 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26948					
DS_ID:21225					
EP_NO: 11499					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 42-inch CM drainpipe through the					
levee, 12.0 feet below the crown. Flap gate on the waterward end.					
Concrete headwalls on both ends. Originally included in 1961 O+M					
manual. This pipe was retained under ABO No. 11499 (1975).					
FS Date: 1/9/2014					

Photo 3 of 3 : UCIP_SP_2017_26948_49795.jpg



Concrete headwall visible on toe of WS berm.

LM Start	0.40	Rating **	A	Issue No.	15
LM End	0.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.176400 °	39.176400 °
				-122.905020 °	-122.905020 °
DWR ID	DWR_NA0009_04_s_2017_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There are native grasses on both slopes.					

Photo 1 of 1 : SP_2017_NA0009_6_15_20170410_00021.jpg



View of the native grasses on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	19
LM End	0.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176410 °	39.176410 °
				-122.902740 °	-122.902740 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:26907
DS_ID:21226
EP_NO: 6303
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe open on waterward side and should be plugged.
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5-feet below the crown. Steel cutoff wall around the pipe at center of levee. Pipe connects to 4-inch exposed aluminum pipe connected to upstream side of bridge (Permit No. 6303, -A, 1969).
FS Date: 1/9/2014

LM Start	0.53	Rating **	M	Issue No.	19 (cont)
LM End	0.53	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_26907_49751.jpg



Pipe open on waterward end.

Photo 2 of 3 : UCIP_SP_2017_26907_49750.jpg



Pipe visible on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	19 (cont)	
LM End	0.53	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.176410 °	39.176410 °	
				-122.902740 °	-122.902740 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26907						
DS_ID:21226						
EP_NO: 6303						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on waterwardside and should be plugged.						
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee,						
1.5-feet below the crown. Steel cutoff wall around the pipe at center of						
levee. Pipe connects to 4-inch exposed aluminum pipe connected to						
upstream side of bridge (Permit No. 6303, -A, 1969).						
FS Date: 1/9/2014						

Photo 3 of 3 : UCIP_SP_2017_26907_49749.jpg



Pipe visible on upstream side of bridge.

LM Start	0.74	Rating **	N	Issue No.	14
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.177678 °	39.177678 °
				-122.899097 °	-122.899097 °
DWR ID	DWR_NA0009_04_f_2016_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.75	Rating **	U	Issue No.	20
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177676 °	39.177676 °
				-122.898917 °	-122.898917 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:51472
DS_ID:21227
EP_NO: 11501
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/30/2016 Clover Creek has significant sediment build up that blocks the outlet. Crossing is still in use to drain water from LS to WS according to LMA representative, Scott Webb. (O. Magana - DWR UCIP)01/09/2014 Pipe rusted through at connection to flapgate. Good indication pipe may need replacement. Video inspection recommended. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 13.8 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwalls located on both the WS and landside (LS) ends. (24-inch pipe was retained under Automatic Board Order (ABO) issued as Permit No. 11501, 1975 - Sisevich).
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 506.2, August 1961, (HLM 0.77)].
FS Date: 11/30/2016

LM Start	0.75	Rating **	U	Issue No.	20 (cont)
LM End	0.75	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_51472_49754.jpg



Drainage canal at inlet on LS toe.

Photo 2 of 3 : UCIP_SP_2017_51472_49753.jpg



Pipe and concrete headwall visible in drainage channel on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.75	Rating **	U	Issue No.	20 (cont)
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177676 °	39.177676 °
				-122.898917 °	-122.898917 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51472 DS_ID:21227 EP_NO: 11501 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/30/2016 Clover Creek has significant sediment build up that blocks the outlet. Crossing is still in use to drain water from LS to WS according to LMA representative, Scott Webb. (O. Magana - DWR UCIP)01/09/2014 Pipe rusted through at connection to flapgate. Good indication pipe may need replacement. Video inspection recommended. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 13.8 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwalls located on both the WS and landside (LS) ends. (24-inch pipe was retained under Automatic Board Order (ABO) issued as Permit No. 11501, 1975 - Sisevich). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 506.2, August 1961, (HLM 0.77)]. FS Date: 11/30/2016					

Photo 3 of 3 : UCIP_SP_2017_51472_49752.jpg



Flapgate at concrete headwall on WS toe.

LM Start	0.93	Rating **	M	Issue No.	5
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.178953 °	39.178953 °
				-122.896629 °	-122.896629 °
DWR ID	DWR_NA0009_04_s_2016_5				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.05	Rating **	C	Issue No.	2
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.180479 °	39.180857 °
				-122.896567 °	-122.896165 °
DWR ID	DWR_NA0009_04_s_2012_2				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The trees were trimmed up 5 feet for visibility.					

No Photos

LM Start	1.19	Rating **	A/W	Issue No.	21
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.182079 °	39.182079 °
				-122.895038 °	-122.895038 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26924 DS_ID:21228 EP_NO: 11496 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 8- Feet below the crown. Flap gate on the waterward end. Concrete headwalls on both ends. Originally included in the 1961 O+M manual. This pipe was retained under ABO No. 11496 (1975). FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26924_49762.jpg



Drainpipe visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.19	Rating **	A/W	Issue No.	21 (cont)
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.182079 °	39.182079 °
				-122.895038 °	-122.895038 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26924					
DS_ID:21228					
EP_NO: 11496					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 42-inch CM drainpipe through the levee, 8-					
Feet below the crown. Flap gate on the waterward end. Concrete					
headwalls on both ends. Originally included in the 1961 O+M manual.					
This pipe was retained under ABO No. 11496 (1975).					
FS Date: 1/9/2014					

Photo 2 of 3 : UCIP_SP_2017_26924_49761.jpg



Concrete headwall and drainpipe visible at LS toe.

LM Start	1.19	Rating **	A/W	Issue No.	21 (cont)
LM End	1.19	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_26924_49760.jpg



Concrete headwall visible off WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.19	Rating **	M	Issue No.	13
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.182161 °	39.182862 °
				-122.894983 °	-122.894505 °
DWR ID	DWR_NA0009_04_f_2016_13				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_6_13_20170315_00005.jpg



View of a ditch at the landside toe looking downstream.

LM Start	1.33	Rating **	C	Issue No.	8
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.183708 °	39.184717 °
				-122.893480 °	-122.893418 °
DWR ID	DWR_NA0009_04_s_2016_8				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Orchard trees were trimmed up 5 feet for visibility.					

No Photos

LM Start	1.42	Rating **	M	Issue No.	10
LM End	1.42	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.185074 °	39.185074 °
				-122.893382 °	-122.893382 °
DWR ID	DWR_NA0009_04_f_2016_10				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_6_10_20170315_00004.jpg



View of the prunings and soil pile on the waterside berm looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/04/2017 04/04/2017	Bob Duffey

LM Start	1.43	Rating **	M	Issue No.	4
LM End	1.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.185183 °	39.185568 °
				-122.893384 °	-122.893348 °
DWR ID	DWR_NA0009_04_f_2016_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders blocking visibility.					

Photo 1 of 1 : SP_2017_NA0009_6_4_20170315_00002.jpg



View of the Oleanders looking downstream.

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Lake County Watershed Protection District

Waterway			Bank	Unit Miles
Unit No. 05 Clover Creek and Clover Creek Diversion			Left	1.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/4/2017 - 4/4/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Will Evans Lake County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.30	Rating **	M	Issue No.	3
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.176957 °	39.176957 °
				-122.898673 °	-122.898673 °
DWR ID	DWR_NA0009_05_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_7_3_20170315_00001.jpg



View of the elderberry along the landside toe.

LM Start	0.31	Rating **	M	Issue No.	14
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177076 °	39.177076 °
				-122.898879 °	-122.898879 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26897					
DS_ID:21235					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at LS toe.					
FIELD_STRUCT_DESC: 1 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Slide gate on waterward end. Steel					
walkway on waterward slope to slide gate. Concrete headwall on both					
ends. Originally included in 1961 O+M manual. Structure and pipes					
retained under ABO Permit No. 11507 (1975).					
FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26897_49712.jpg



Slide gate at steel walkway on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	14 (cont)
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177076 °	39.177076 °
				-122.898879 °	-122.898879 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26897					
DS_ID:21235					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at LS toe.					
FIELD_STRUCT_DESC: 1 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Slide gate on waterward end. Steel walkway on waterward slope to slide gate. Concrete headwall on both ends. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975).					
FS Date: 1/9/2014					

Photo 2 of 3 : UCIP_SP_2017_26897_49711.jpg



Outlet visible at concrete headwall on LS toe.

LM Start	0.31	Rating **	M	Issue No.	14 (cont)
LM End	0.31	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_26897_49710.jpg



Slide gate at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	15
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177074 °	39.177074 °
				-122.898902 °	-122.898902 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26891					
DS_ID:21234					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup on LS toe.					
FIELD_STRUCT_DESC: 2 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Slide gate on waterward end. Steel					
walkway on waterward slope to slide gate. Concrete headwalls on both					
ends. Originally included in 1961 O+M manual. Structure and pipes					
retained under ABO Permit No. 11507 (1975).					
FS Date: 1/9/2014					

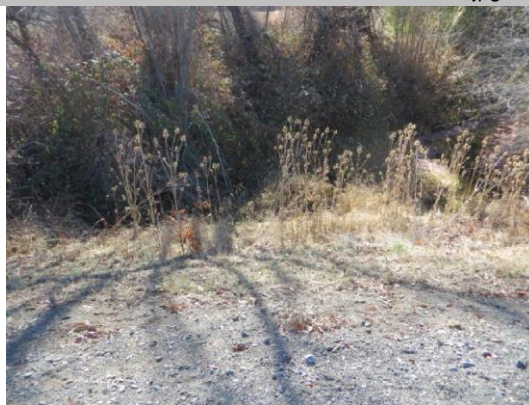
LM Start	0.31	Rating **	M	Issue No.	15 (cont)
LM End	0.31	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_26891_49682.jpg



Slide gate on steel walkway at WS toe.

Photo 2 of 3 : UCIP_SP_2017_26891_49681.jpg



Outlet visible at concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	15 (cont)	
LM End	0.31	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177074 °	39.177074 °	
				-122.898902 °	-122.898902 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26891						
DS_ID:21234						
EP_NO: 11507						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some sediment buildup on LS toe.						
FIELD_STRUCT_DESC: 2 of 6: 36-inch CM irrigation pipe through the						
levee, 12.0 feet below the crown. Slide gate on waterward end. Steel						
walkway on waterward slope to slide gate. Concrete headwalls on both						
ends. Originally included in 1961 O+M manual. Structure and pipes						
retained under ABO Permit No. 11507 (1975).						
FS Date: 1/9/2014						

Photo 3 of 3 : UCIP_SP_2017_26891_49680.jpg



Slide gate visible at concrete headwall on WS toe.

LM Start	0.32	Rating **	M	Issue No.	16
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177078 °	39.177078 °
				-122.898926 °	-122.898926 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26888 DS_ID:21233 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: 3 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends. Steel slide gate plate blocks inlet on WS toe. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26888_49666.jpg



Steel slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

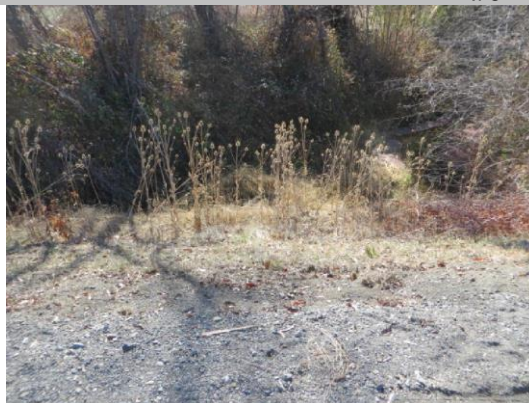
Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	16 (cont)	
LM End	0.32	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177078 °	39.177078 °	
				-122.898926 °	-122.898926 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26888						
DS_ID:21233						
EP_NO: 11507						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some sediment buildup at outlet on LS toe.						
FIELD_STRUCT_DESC: 3 of 6: 36-inch CM irrigation pipe through the						
levee, 12.0 feet below the crown. Concrete headwall on both ends.						
Steel slide gate plate blocks inlet on WS toe. Originally included in						
1961 O+M manual. Structure and pipes retained under ABO Permit No.						
11507 (1975).						
FS Date: 1/9/2014						

LM Start	0.32	Rating **	M	Issue No.	16 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_26888_49665.jpg



Outlet visible at concrete headwall on LS toe.

Photo 3 of 3 : UCIP_SP_2017_26888_49664.jpg



Steel slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	17
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177074 °	39.177074 °
				-122.898949 °	-122.898949 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26885					
DS_ID:21232					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at outlet on LS toe.					
FIELD_STRUCT_DESC: 4 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Concrete headwall on both ends					
[Clover Creek Diversion Structure] . Originally included in 1961 O+M					
manual. Structure and pipes retained under ABO Permit No. 11507					
(1975).					
FS Date: 1/9/2014					

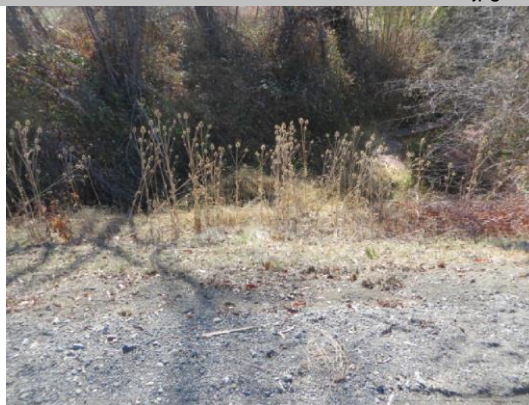
LM Start	0.32	Rating **	M	Issue No.	17 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_26885_49634.jpg



Steel plate slide gate visible at headwall on WS toe.

Photo 2 of 3 : UCIP_SP_2017_26885_49633.jpg



Outlet visible at concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	17 (cont)	
LM End	0.32	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.177074 °		39.177074 °
				-122.898949 °		-122.898949 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26885						
DS_ID:21232						
EP_NO: 11507						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Some sediment buildup at outlet on LS toe.						
FIELD_STRUCT_DESC: 4 of 6: 36-inch CM irrigation pipe through the						
levee, 12.0 feet below the crown. Concrete headwall on both ends						
[Clover Creek Diversion Structure] . Originally included in 1961 O+M						
manual. Structure and pipes retained under ABO Permit No. 11507						
(1975).						
FS Date: 1/9/2014						

Photo 3 of 3 : UCIP_SP_2017_26885_49632.jpg



Steel plate slide gate visible at headwall on WS toe.

LM Start	0.32	Rating **	M	Issue No.	18
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177070 °	39.177070 °
				-122.898967 °	-122.898967 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26883 DS_ID:21231 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sediment buildup on LS toe. FIELD_STRUCT_DESC: 5 of 6: 36-inch CM irrigation pipe through the levee, 12.0 feet below the crown. Concrete headwall on both ends [Clover Creek Diversion Structure] . Steel slide gate blocks inlet on WS toe. Originally included in 1961 O+M manual. Structure and pipes retained under ABO Permit No. 11507 (1975). FS Date: 1/9/2014					

Photo 1 of 3 : UCIP_SP_2017_26883_49622.jpg



Metal slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

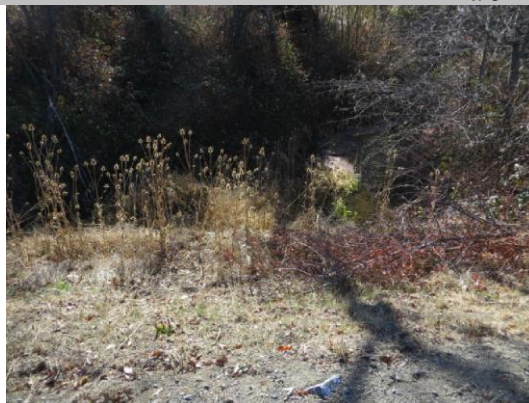
Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	18 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177070 °	39.177070 °
				-122.898967 °	-122.898967 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26883					
DS_ID:21231					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup on LS toe.					
FIELD_STRUCT_DESC: 5 of 6: 36-inch CM irrigation pipe through the					
levee, 12.0 feet below the crown. Concrete headwall on both ends					
[Clover Creek Diversion Structure] . Steel slide gate blocks inlet on WS					
toe. Originally included in 1961 O+M manual. Structure and pipes					
retained under ABO Permit No. 11507 (1975).					
FS Date: 1/9/2014					

Photo 2 of 3 : UCIP_SP_2017_26883_49621.jpg



Pipe visible at concrete headwall on LS toe.

LM Start	0.32	Rating **	M	Issue No.	18 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_26883_49620.jpg



Metal slide gate visible at concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	19
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177066 °	39.177066 °
				-122.898986 °	-122.898986 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26877					
DS_ID:21229					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at outlet on LS toe.					
FIELD_STRUCT_DESC: 6 of 6: 36-inch CM pipe through the levee,					
12.0 feet below the crown [Clover Creek Diversion Structure]. Concrete					
headwall on both ends. Steel slide gate covers WS inlet. Structure and					
pipes retained under ABO Permit No. 11507 (1975). Originally included					
in 1961 O+M manual.					
FS Date: 1/9/2014					

LM Start	0.32	Rating **	M	Issue No.	19 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_26877_49610.jpg



Steel slide gate visible at headwall on WS toe.

Photo 2 of 3 : UCIP_SP_2017_26877_49609.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	19 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177066 °	39.177066 °
				-122.898986 °	-122.898986 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26877					
DS_ID:21229					
EP_NO: 11507					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Some sediment buildup at outlet on LS toe.					
FIELD_STRUCT_DESC: 6 of 6: 36-inch CM pipe through the levee,					
12.0 feet below the crown [Clover Creek Diversion Structure]. Concrete					
headwall on both ends. Steel slide gate covers WS inlet. Structure and					
pipes retained under ABO Permit No. 11507 (1975). Originally included					
in 1961 O+M manual.					
FS Date: 1/9/2014					

Photo 3 of 3 : UCIP_SP_2017_26877_49608.jpg



Steel slide gate visible at headwall on WS toe.

LM Start	0.63	Rating **	M	Issue No.	10
LM End	0.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175758 °	39.175758 °
				-122.904353 °	-122.904353 °
DWR ID	DWR_NA0009_05_s_2016_10				
Comment Code					
DE : Debris					
Inspector Comment					
Remove prunings and wooden lumber debris.					

Photo 1 of 1 : SP_2017_NA0009_7_10_20170315_00003.jpg



5/2/2016: Remove prunings and lumber debris from L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Lake County Watershed Protection District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/04/2017 04/04/2017	Bob Duffey

LM Start	0.68	Rating **	A	Issue No.	13
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.175715 °	39.175715 °
				-122.905222 °	-122.905222 °
DWR ID	DWR_NA0009_05_s_2017_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There are native grasses on both slopes.					

Photo 1 of 1 : SP_2017_NA0009_7_13_20170410_00023.jpg



View of the native grasses on both slopes.

LM Start	0.90	Rating **	M	Issue No.	11
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.175779 °	39.175779 °
				-122.909325 °	-122.909325 °
DWR ID	DWR_NA0009_05_f_2016_11				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_7_11_20170315_00004.jpg



View of the rodent holes along the landside slope.

LM Start	1.02	Rating **	M	Issue No.	4
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.175718 °	39.175718 °
				-122.911618 °	-122.911618 °
DWR ID	DWR_NA0009_05_f_2016_4				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_NA0009_7_4_20170315_00002.jpg



Trim/remove trees to allow visibility along landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement